

Lesson 1 Classification

Classifying Living things

https://www.youtube.com/watch?v=tYL_8gv7RiE

- taxonomy is the science of classifying living things
- modern classification is based on evolutionary decent and genetic makeup...whereas the first attempts at classification was strictly based on physical characteristics
- Carolus (Carl) Linnaeus is given credit for the classification system used today
- his system (eventually) gave each organism 2 names (binom nomenclature)
- the names are based on the what genus and species an organism is in
- ex. *Homo sapiens* (humans)
- ex. *Alces alces* (moose)
- ex. *Castor canadensis* (???)
- this avoids giving several different names to the same organism....ex.green pepper, piment vert, bell pepper are all the same thing ***Capsicum annuum** is the scientific name.



- there are actually 7 ways to classify any organism:

1. Kingdom
2. Phylum
3. Class
4. Order
5. Family
6. Genus
7. Species

King Philips Children Ordered Fries Gravy and Sprite is way to remember these

As a human you are in the Kingdom: Animalia

Phylum: Chordata

Class: Mammalia

Order: Primates

Family: Hominidae

Genus: Homo

Species: sapiens

Copy table page 459 into notes -- Classification of Living Things

Species: a group of interbreeding organisms that produce offspring that are capable of producing the same offspring

mule (cross between a horse and a donkey) is not a true species as they are sterile